

# ALEXANDERIAN

## Canonical Structural Framework

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### Abstract

A unified structural framework spanning logical, geometric, and procedural systems.

Binary expands into a four-state field, embeds in Cartesian space, rotates  $135^\circ$ , and resolves into the Diamond and House.

These structures are brought into alignment to form the Alexanderian system.

The system is closed at twelve.

Alignment governs validity.

### Doctrinal Framing

This system is not linear.

The House and the Diamond are distinct structures.

Alexanderian is the system formed when both are aligned.

The origin is not assumed.

It is confirmed through alignment.

Misreading as linear or purely abstract graph theory produces incorrect conclusions.

## 1 Etymology

Alexanderian = Alexander + -ian

The suffix *-ian* denotes “of or belonging to.”

Alexanderian = of or belonging to Alexander

Alexander refers explicitly to the author of this system.

This does not refer to Alexander the Great or any historical figure.

The spelling **ALEXANDERIAN** is exact.

The two E’s in **ALEXANDER** are required and non-optional.

## 2 Canonical Definition

A-L-E-X-A-N-D-E-R-I-A-N

### Structural Count

- 12 elements
- 12 strokes
- 12 edges
- 7 vertices
- 2 E's (structural, non-optional)
- 1 origin

## 3 Canonical Twelve

| Index | Letter | Role       | Function     |
|-------|--------|------------|--------------|
| I     | A      | Initiation | Begin        |
| II    | L      | Line       | Direction    |
| III   | E      | Expansion  | Extend       |
| IV    | X      | Cross      | Intersection |
| V     | A      | Echo       | Reinforce    |
| VI    | N      | Nexus      | Connect      |
| VII   | D      | Definition | Bound        |
| VIII  | E      | Elevation  | Rise         |
| IX    | R      | Rotation   | Shift        |
| X     | I      | Intent     | Direct       |
| XI    | A      | Amplify    | Expand       |
| XII   | N      | Closure    | Complete     |

## 4 Boolean Expansion

True, False  $\Rightarrow$  {TT, TF, FF, FT}

(+, +), (+, -), (-, -), (-, +)

## 5 EONN Principle

EONN = Either, Or, Neither, Nor

Q1 = Either, Q2 = Or, Q3 = Neither, Q4 = Nor

$$X = \text{EONN}$$

EONN defines the quadrant structure and bounds the interior state.

## 6 Cartesian Embedding

The four logical states are embedded in Cartesian space.

## 7 Diamond (Geometric Structure)

Rotation:

$$R_{135^\circ}(0,0) = (0,0)$$

The Diamond defines a geometric structure with a fixed origin.

## 8 House (Procedural Structure)

$$V = \{1, 2, 3, 4, 5, 6, 7\}$$

$$E = \{(1, 2), (2, 3), (3, 4), (4, 1), (1, 3), (3, 5), (5, 4), (4, 2), (2, 6), (6, 1), (1, 7), (7, 3)\}$$

**Traversal**

$$T = (1, 2, 3, 4, 1, 3, 5, 4, 2, 6, 1, 7, 3)$$

**Eulerian Property**

$$\deg(1) = 5, \quad \deg(3) = 5$$

Exactly two vertices have odd degree. Therefore, an Eulerian path exists.

## 9 Geometric Embedding

$$1 = (-1, -1), \quad 2 = (1, -1), \quad 3 = (-1, 1), \quad 4 = (1, 1)$$

**Origin (House)**

$$(2, 3) \cap (4, 1) = (0, 0)$$

The origin is an interior intersection.

## 10 Alignment (Alexanderian)

The Diamond and House align.

The origin of both structures is identical.

$$\text{Diamond Origin} = \text{House Origin} = (0, 0)$$

## 11 X Invariance

The X persists across:

- EONN
- Cartesian
- Diamond
- House
- ALEX

## 12 Interval Structure

$$0 \leq \textit{state} \leq 1$$

$$[0, 0.25), \quad [0.25, 0.75], \quad (0.75, 1]$$

$$\text{Maybe} \in [0.25, 0.75]$$

## 13 Scalar Axis

Maximum at origin. Minimum at perimeter.

## 14 Post-Closure

The system closes at 12.

Stroke XIII expresses continuation:

- recursion
- descent
- propagation

## 15 Order

Binary  $\rightarrow$  Expanded Boolean  $\rightarrow$  Cartesian  $\rightarrow$  Diamond  $\rightarrow$  House  $\rightarrow$  Alignment

### Doctrinal Closure

Closed at twelve.

Continuation expresses, not completes.

Alignment required:

traversal,   embedding,   intersection,   origin

|                                                 |
|-------------------------------------------------|
| One Structure, One Origin, Multiple Expressions |
|-------------------------------------------------|